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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/916,596	07/27/2001	Mark A. Adams	16356.634 (DC-02914)	8710

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EXAMINER
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FAROOQ, MOHAMMAD O

ART UNIT	PAPER NUMBER
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2182

DATE MAILED: 03/25/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

09/916,596

Applicant(s)

ADAMS ET AL.

Examiner

Mohammad O. Farooq

Art Unit

2182

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 07 November 2002.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-30 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-30 is/are rejected.
- 7) ☒ Claim(s) 29 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 27 July 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 7/27/01.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Claim Objections***

1. Claim 29 objected to because of the following informalities: in line 4 of this claim reads "...processor for of implementing...". The occurrence of "for" and "of" together makes the claim language confusing. This office action treats it as follows "...processor for implementing...". Appropriate correction is required.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claim 1 and 3-30 are rejected under 35 U.S.C. 102(b) as being anticipated by Danknick U.S.Pat. No. 6,021,429.

3. As to claim 1, Danknick teaches system comprising:  
responsive to a customer order or plan, assembling distinct computer and storage system components for creation of a given solution-based product as a function of the customer order or plan (see fig. 1); and

assigning a solution identifier to the solution-based product, the solution identifier including a solution type and a unique identifier (i.e. address) within the solution type (see fig. 8).

4. As to claim 3, Danknick teaches system, wherein the solution-based product includes at least one of a storage area network (SAN), network attached storage (NAS), storage domain management (SDM) product, storage virtualization product, server cluster (item 12, fig. 1), and e-commerce configuration product.

5. As to claim 4, Danknick teaches system, wherein the solutions-based products include at least one of storage area networks (SANs), network attached storage (NAS), server clusters (item 12, fig. 1), and e-commerce configurations, the solutions-based products further including at least one of multiple servers, storage systems, software components, and networking interconnects (items 4,2,6,7 and 9; fig. 1).

6. As to claim 5, Danknick teaches system, wherein the solution-based products includes at least one component forming an integral part of a larger solution with complex interdependencies (i.e. the connection of items in fig. 1).

7. As to claim 6, Danknick teaches system, wherein assigning the solution identifier further includes associating service tags of the components of a respective system solution with the solution identifier (see fig. 8).

Art Unit: 2182

8. As to claim 7, Danknick teaches system, further including storing the associated service tags in a table and indexing the table according to the solution identifier (see fig. 8 and 9).

9. As to claim 8, Danknick teaches method comprising:  
providing an entry form for entering solution objects and service tags of components of a respective solutions-based system (inherent from fig. 1; fig. 8); and  
responsive to completion of the entering of solution objects and service tags, generating a Power Tag identifier (i.e. address), the Power Tag identifier suitable for use in connection with obtaining custom support services as a function of the Power Tag identifier (fig. 8).

10. As to claim 9, Danknick teaches method, wherein providing an entry form includes providing an on-line web form implementation of the entry form hosted by a web server (inherent from fig. 1 and 9).

11. As to claim 10, Danknick teaches method, wherein the components of a solution-based system include at least one of hardware, software, documentation, and service components (see fig. 1 and 3).

Art Unit: 2182

12. As to claim 11, Danknick teaches method, wherein the components of the solutions-based system include complex interdependencies between select ones of the components (i.e. the connections of items in fig. 1).

13. As to claim 12, Danknick teaches method, further comprising:

providing an entry form for entering (inherent in fig. 1) at least one of solution objects and service tags of additional components of a respective solutions-based post issuance of the PowerTag identifier (fig. 8 and 9); and

responsive to a completion of the entering of the at least one of solution objects and service tags of the additional components, updating associations of the solution objects and service tags of the additional components with the PowerTag identifier, wherein the updated PowerTag identifier associations facilitate obtaining of custom support services for the additional components as a function of the PowerTag identifier (fig. 1, 3, 8 and 9).

14. As to claim 13, Danknick teaches method, wherein the PowerTag identifier is generated as part of a factory integration effort, further wherein multiple systems and software components are linked into a defined solution, along with services in support of the solution (inherent fig. 1 and 3).

Art Unit: 2182

15. As to claim 14, Danknick teaches method, wherein the system includes at least one of

at least one server, including at least one of each model and associated service tags, operating system (O/S), basic input output system (BIOS), peripherals and respective software drivers of a respective at least one server (fig. 1 and 3; inherent; col. 5, line 45- col. 6, line 40);

at least one storage component, including at least one of each model and associated service tags, firmware, programmable read only memory revision (PROM rev.) of a respective at least one storage component;

at least one software component, including at least one of clustering software, backup software, storage consolidation software, storage management and configuration software, factory installed applications, and on-site installation of software applications;

at least one service offering, including at least one of a standard, 7x24x7, availability gurantee, "Gold", and "Platinum" service offering;

at least one on-site installation choice; and

at least one link to an entitlement statement of work, product documentation, software update, and technical bulletin as they relate to the solution and the solution's components.

Art Unit: 2182

16. As to claim 15, Danknick teaches method comprising:

inputting a PowerTag identifier particular for a solution-based system (see fig. 1);

and

responsive to the input of the PowerTag identifier, outputting custom web support services (i.e. type of device) as a function of the PowerTag identifier (see fig. 8 and 9).

17. As to claim 23, Danknick teaches system comprising:

at least one processor (item 31, fig. 3); and

at least one storage accessible by said processor, said storage including program code processible by said processor for implementing a solutions-based computer system manufacturing process (inherent in fig. 1 and 3), the manufacturing process including assembling computer system components for creation of a given solution-based product as a function of at least one of a customer order and a customer plan (inherent in fig. 1), and assigning a solution identifier (i.e. address) to the solution-based product, wherein the solution identifier includes a solution type and a unique identifier within the solution type (see fig. 8).



Art Unit: 2182

18. As to claim 29, Danknick teaches system comprising:

a one processor (item 31, fig. 3); and

a storage, said storage including software processible by said processor for implementing solutions-based system support including a) providing an entry form for entering at least one of solution objects and service tags of components of a respective solutions-based system (inherent in fig. 1, 3 and 8), and b) responsive to a completion of the entering of solution objects and service tags, generating a PowerTag identifier (i.e. device type and/or address), the PowerTag identifier suitable for use in connection with obtaining custom support services as a function of the PowerTag identifier (see fig. 8).

19. As to claim 30, Danknick teaches system comprising:

a processor (item 31, fig. 3); and

a storage, said storage including software processible by said processor for implementing solutions-based system support (inherent in fig. 1,3 and 8) including a) inputting a PowerTag identifier particular for a solution-based system, and b) responsive to the input of the Power Tag identifier (i.e. device type and/or address), outputting custom support services as a function of the Power Tag identifier (see fig. 8).

Art Unit: 2182

20. Claims 16-22 are similar in limitations as claims 9,4,10, 13 and 12. Danknick teaches system as set forth in claim 4 and method as set forth in claims 9,10,12 and 13. Therefore, Danknick also teaches method as set forth in claims 16-22.

21. Claims 24-28 are similar in limitations as claims 5,3,4,6 and 7. Danknick teaches system as set forth in claims 4-7. Therefore, Danknick also teaches system as set forth in claims 24-28.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

22. Claim 2 is rejected under 35 U.S.C. 103(a) as being unpatentable over Danknick U.S. Pat. No. 6,021,429 in view of Lawrence U.S. Pat. No. 5,758,070.

23. As to claim 2, Danknick does not teach system, wherein the solution-based product includes solution-based storage products.


Lawrence teaches the solution-based product includes solution-based storage products (item 1520, fig. 1). However, it would have been obvious to one of ordinary skill in the art at the time of invention to combine the teachings of Danknick and Lawrence because that would allow a media type to be dynamically determined in such a manner that a protocol stack which supports multicasts can be written to work generically with different network interface drivers and different media types (col. 2, lines 46-52).

Art Unit: 2182

24. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mohammad O. Farooq whose telephone number is (571) 272-4144. The examiner can normally be reached on 9:00am - 5:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey A. Gaffin can be reached on (571) 272-4146. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

  
JEFFREY GAFFIN  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100

Mohammad O. Farooq  
March 18, 2005